

## Product datasheet for **SC122476**

### ASPRV1 (BC031997) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ASPRV1 (BC031997) Human Untagged Clone
Tag:	Tag Free
Symbol:	ASPRV1
Synonyms:	aspartic peptidase, retroviral-like 1; MUNO; OTTHUMP00000160050; SASP; SASPase; skin aspartic protease; Taps
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for BC031997 edited

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CCAAGCTAAGGTTCTGAAAGAGTCCCTCAGAGGAGAGGCCCTGGGTGTCTACAATAGGC
TCAGTCCCCAGGACCAGGGAGACTATGGGACTGTGAAAGAGGCCCTCCTGAAGGCCTTTG
GGGTCCCTGGGGCTGCCCCAGCCACCTGCCCAAAGAGATCGTCTTTGCCAACAGCATGG
GTAAGGGCTACTATCTCAAGGGGAAGATTGGCAAAGTGCCCGTAGGTTCTGGTGGACT
CTGGGGCCAGGTCTCTGTGGTCCACCCAAACTGTGGGAGGAGGTCACCTGATGGCGATC
TGGACACCCTGCAGCCCTTTGAGAATGTGGTAAAGGTGGCCAATGGTGCTGAAATGAAGA
TCCTGGGTGTCTGGGATACAGCGGTGCCCTAGGCAAGCTGAAGCTGAAGGCACAGTTCC
TAGTGGCCAATGCGAGTGCCGAGGAAGCCATCATTGGCACTGATGTGCTCCAGGACCACA
ATGCTATCCTGGACTTTGAGCACCGCACATGCACCCTGAAAGGGAAGAAGTTTCGCCTTC
TGCTGTGGGAGGGTCCCTGGAAGATGAGTTTGACCTGGAGCTCATAGAGGAGGACCCCT
CCTCAGAAGAAGGGCGGAGGAGCTATCCCACTGAGAAGCCACCTTTTCTTTAACCTCCT
AAATATTGGTGGGAAGACCCACCCTGTGGGGGGGTTGCATATCCTCATGGGGTCACT
GGGCTTGCCAGTCTGCTTATCAACTCTTGTCTTCTCTCCCCTTTGCCTCCCTCTGCAG
GGGCTTAATCTGCCCTGGTAGGGGAGGCTTCCACTGAACAGGCACAGGTGAGGGAGAG
CAGGCTGGCTTAGAGGGACAGGGTCCCCATGGTCATCAAGCTGCTGTTGATGACAAAGAC
TCAAAGGCTGGAAGAGCTCCAAGGAAGCTAGAAATGCTTGTCTTTGAAAGAAGTGTGGG
ACCCCTCAGATCCCTGAGGTATGGCTTGGTCACTCTCAGGTCCTCAAAGCCTGTCTTA
GTTGGGCTGGGCTAGCTGCAGGGTCTTGTGAGGGTCACAGTTGCTCTGGGACACCTC
CCTGAAGAGCCTTCCACCTGTACAATCGATTTTCTTTCTGTCAATTTGCTTTGAAGCCC
ATTGTGCCTTATGCCAATAATTCAATTGCTGCAAACACCAATAAAGATTGATTCATGGAA
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for BC031997 unedited CCTGTTAAATTTGTATACGACTCATATAGGCGGCCGATTCCCAGGATCCAGCTAAGTT CCTGAAAGAGTCCCTCANAGGAGAGGCCCTGGGTGTCTACAATAGGCTCAGTCCCCAGGA CCAGGGAGACTATGGGACTGTGAAAGAGGCCCTCCTGAAGGCCTTTGGGGTCCCTGGGGC TGCCCCAGCCACCTGCCCAAAGAGATCGTCTTTGCCAACAGCATGGGTAAGGGCTACTA TCTCAAGGGGAAGATTGGCAAAGTGCCCGTGAGGTTCTGGTGGACTCTGGGGCCAGGT CTCTGTGGTCCACCCAACTTGTGGGAGGAGTCACTGATGGCGATCTGGACACCCTGCA GCCCTTTGAGAATGTGGTAAAGGTGGCCAATGGTCTGAAATGAAGATCCTGGGTGTCTG GGATACAGCGGTGTCCCTAGGCAAGCTGAAGCTGAAGGCACAGTTCCTAGTGGCCAAATGC GAGTGCCGAGGAAGCCATCATTGGCACTGATGTCTCCAGGACCACAATGCTATCCTGGA CTTTGAGCACCGCACATGCCACCTGAAAGGGAAGAAGTTTCGCCTTCTGCCTGTGGGAGG GTCCCTGGAAGATGAGTTTGACCTGGAGCTCATAGAGGAGGACCCCTCCTCAGAAGAAGG GCGGCAGGAGCTATCCCACTGAGAAGCCACCTTTCTTTAACCTCCTAANATATTGGTGG GAAGACCACCGCTGTGGGGGGGGTTGCATATCCTCATGGGGTCACTGGGCTTGCCA GTCTGCTTATCAACTCTTCTCTCTCCCTTTGCCTCCCTCTGCAGGGGCCTTAATC TGCCCCTGGTANGGGAGGCTTNCCTGNACAGGCACAGGTGAAGGGAGAGCAGCTGGCTT ANAGGACAGGNTC
<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	BC031997
<b>Insert Size:</b>	1242 bp
<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>Components:</b>	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.</li></ol>
<b>RefSeq:</b>	<u><a href="#">BC031997.1</a></u> , <u><a href="#">AAH31997.2</a></u>
<b>RefSeq Size:</b>	1242 bp
<b>Locus ID:</b>	151516
<b>Cytogenetics:</b>	2p13.3
<b>Protein Families:</b>	Druggable Genome, Protease

**Gene Summary:**

Filaggrin is a structural protein that is crucial for in the development and maintenance of the skin barrier. This gene encodes a retroviral-like protease involved in profilaggrin-to-filaggrin processing. Expression is found primarily in the epidermis and inner root sheath of hair follicles. [provided by RefSeq, May 2017]